

REMARKS

In the Office Action, the Examiner rejected claims 1-2, 4-5, and 7 under 35 U.S.C. 103 as obvious under U.S. Patent 6,907,314 (Negishi) in view of WO 01/54108 (Liang) in further view of U.S. Patent Pub. 2001/0043178 (Okuzono). Applicants respectfully traverse, submitting that the claims are allowable over the cited art for at least the reasons below. By this response, Applicants add new claims 8-9. No new matter has been added. Following entry of these papers, claims 1-2, 4-5, and 7-9 will remain pending.

The Examiner rejected claims 1-2, 4-5, and 7 under 35 U.S.C. 103 as obvious under U.S. Patent 6,907,314 (Negishi) in view of WO 01/54108 (Liang) in further view of U.S. Patent Pub. 2001/0043178 (Okuzono). Claim 1 recites "followed by a final draining down of a remaining charge from the selected one of the control lines, said final draining including connecting of the selected control line to a common reference voltage, said final draining ending at a time T relative to said intermediate draining, and wherein said row driver circuit is arranged to perform said charging by an intermediate charging, beginning at a time not earlier than T, of said another selected one of the control lines to said intermediate voltage level".

Neither Negishi nor Liang disclose the above recitation of claim 1, but on page 5 of the present Office action, the Examiner states that paragraphs 57-76 and Figs. 3 and 5 of Okuzono cure the deficiencies of Negishi and Liang by disclosing this recitation of claim 1.

Figs. 3 and 5 of Okuzono, as well as Figs 7-8 and 10 each disclose a timing diagram related to a single drain/row/control line and two gate/column/data lines. FIG. 3, for example, shows a rise in the voltage of the single drain/row/control line as related to pulses STB, VCK, AND /VOE (See Okuzono paragraphs 60-63). Further, FIG. 3 describes the related rise in a first gate/column/data line related to the drain/row/control line (See Okuzono paragraph 64), and describes how a timing A may created the

appearance of horizontal stripes as related to VCK, STB, /VOE, and the single drain/row/control line rise (See Okuzono paragraphs 65-68 and FIG. 4). Finally, FIG. 3 shows a waveform transition between the two gate/column/data lines, and a falling transition for the second gate/column/data line and the single drain/row/control line (See Okuzono paragraphs 69-76).

Each figure of Okuzono only shows a single drain/row/control line, and there is no teaching, suggestion, or disclosure of any relationship between the single drain/row/control line and any other drain/row/control lines. Further, there is no teaching, suggestion, or disclosure in Okuzono of any intermediate charge on the single drain/row/control line, or of any charge sharing between drain/row/control lines.

Therefore, Applicants respectfully submit that the combination of Negishi, Liang, and Okuzono does not disclose all of the recitations of claim 1, and the rejection under 35 U.S.C. should be withdrawn.

Additionally, claim 7 includes recitations similar to those of claim 1 discussed above, and claims 2 and 4-5 depend from claim 1. As such, Applicants respectfully submit that they are allowable over the cited art for at least the reasons discussed above.

Further, Applicants respectfully submit that there is no basis for combining Liang with additional art to arrive at the recitations of claim 1, because Liang specifically teaches away from the above recitation of claim 1. Throughout Liang, reference is made to two signals which are "undergoing opposite voltage transitions", and every disclosure teaches and suggest that these occur at the same time (See, e.g.: Liang p. 4 lines 12-20, p. 5 lines 6-16, p. 9 lines 24-33, Figs. 2, 3, 5-7, and 10-11, as well as other places throughout Liang). Page 2 line 25 through page 3 line 9 of the present application specifically describes and distinguishes the disclosure of Liang from the present application. Therefore, Applicants respectfully submit that there is no basis for combining Liang with additional art to achieve the recitation of claim 1 above.

Finally, Applicant presents new claims 8-9. Claim 8 recites "a programmable image repetition rate unit, wherein the programmable image repetition rate unit adjust

an image repetition rate of the display device, and provides an input to the row driver circuit to prevent the row driver circuit from performing the intermediate draining and the intermediate charging when the image repetition rate of the display device exceeds a predetermined threshold". Additionally, claim 9 contains similar recitations to those of claim 8. Support for these new claims is found in at least page 5 lines 1-10 of the present application. Applicants respectfully submit that the cited art discussed above does not teach or suggest these recitations of claims 8-9.

Conclusory Remarks

In view of the above, it is respectfully submitted that claims 1-2, 4-5, and 7-9 are allowable and are now in condition for formal allowance, and early and favorable action to that end is respectfully requested.

The Examiner is encouraged to call Applicants' attorney at the number below if doing so will in any way advance prosecution of this application.

The Commissioner is hereby authorized to charge any fees which may be required, or credit in the overpayment, to Deposit Account No. **07-1896** referencing Attorney Docket No. **348162-982380**.

Respectfully submitted,

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